bio-protocol Preprint

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RNA ISH

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An abbreviated version of this protocol was published in eLIFE in Sep 2021

Single-cell and single-nucleus RNA-seq uncovers shared and distinct axes of variation in dorsal LGN neurons in mice, non-human primates, and humans

DOI: 10.7554/eLife.64875

Detailed protocol

Here's a link to the relevant nuclear isolation protocol on protocols.io:
https://www.protocols.io/view/isolation-of-nuclei-from-adult-human-brain-tissue-bq7dmzi6

For RNAscope, we made the following minor adjustments to the manufacturer's protocol:

- Fixation was performed for 1 hour in 4% paraformaldehyde in 1X PBS at 4C.
- The protease treatment step was carried out for 15 minutes.

How to cite:（Readers should cite both the Bio-protocol preprint and the original research article where this protocol was used）

1. Bakken, T. E. and Hodge, R. D.(2021). RNA ISH. Bio-protocol Preprint. bio-protocol.org/prep1473.
2. Bakken, T. E., van Velthoven, C. T., Menon, V., Hodge, R. D., Yao, Z., Nguyen, T. N., Graybuck, L. T., Horwitz, G. D., Bertagnolli, D., Goldy, J., Yanny, A. M., Garren, E., Parry, S., Casper, T., Shehata, S. I., Barkan, E. R., Szafer, A., Levi, B. P., Dee, N., Smith, K. A., Sunkin, S. M., Bernard, A., Phillips, J., Hawrylycz, M. J., Koch, C., Murphy, G. J., Lein, E., Zeng, H. and Tasic, B.(2021). Single-cell and single-nucleus RNA-seq uncovers shared and distinct axes of variation in dorsal LGN neurons in mice, non-human primates, and humans. eLIFE. DOI: 10.7554/eLife.64875

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